

0288

OIPF

## RAW SEQUENCE LISTING

DATE: 01/16/2001

PATENT APPLICATION: US/09/750,424

TIME: 11:50:32

Input Set : A:\37021.txt

Output Set: N:\CRF3\01162001\I750424.raw

4 <110> APPLICANT: Auf der Maur, Adrian  
5 Barberis, Alcide  
6 Escher, Dominik  
8 <120> TITLE OF INVENTION: INTRABODIES WITH DEFINED FRAMEWORK THAT IS STABLE  
IN A  
9 REDUCING ENVIRONMENT AND APPLICATIONS THEREOF  
11 <130> FILE REFERENCE: 27656/37021  
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/750,424  
C--> 14 <141> CURRENT FILING DATE: 2000-12-28  
16 <150> PRIOR APPLICATION NUMBER: 09/529,307  
17 <151> PRIOR FILING DATE: 2000-04-11  
19 <150> PRIOR APPLICATION NUMBER: PCT/IB00/00218  
20 <151> PRIOR FILING DATE: 2000-03-01  
22 <150> PRIOR APPLICATION NUMBER: PCT/IB99/02054  
23 <151> PRIOR FILING DATE: 1999-12-28  
25 <160> NUMBER OF SEQ ID NOS: 11  
27 <170> SOFTWARE: PatentIn Ver. 2.1  
29 <210> SEQ ID NO: 1  
30 <211> LENGTH: 252  
31 <212> TYPE: PRT  
32 <213> ORGANISM: Mus musculus  
34 <220> FEATURE:  
35 <221> NAME/KEY: CHAIN  
36 <222> LOCATION: (1)..(114)  
37 <223> OTHER INFORMATION: Variable light chain  
39 <220> FEATURE:  
40 <221> NAME/KEY: CHAIN  
41 <222> LOCATION: (135)..(247)  
42 <223> OTHER INFORMATION: Variable heavy chain  
44 <220> FEATURE:  
45 <221> NAME/KEY: REPEAT  
46 <222> LOCATION: (115)..(134)  
47 <223> OTHER INFORMATION: Glycine Serine Linker  
49 <220> FEATURE:  
50 <221> NAME/KEY: PEPTIDE  
51 <222> LOCATION: (248)..(252)  
52 <223> OTHER INFORMATION: His Tag  
54 <220> FEATURE:  
55 <221> NAME/KEY: DOMAIN  
56 <222> LOCATION: (27)..(39)  
57 <223> OTHER INFORMATION: CDR 1 VL  
59 <220> FEATURE:  
60 <221> NAME/KEY: DOMAIN  
61 <222> LOCATION: (95)..(103)  
62 <223> OTHER INFORMATION: CDR 3 VL  
64 <220> FEATURE:  
65 <221> NAME/KEY: DOMAIN  
66 <222> LOCATION: (165)..(169)

ENTERED

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67 <223> OTHER INFORMATION: CDR 1 VH
69 <220> FEATURE:
70 <221> NAME/KEY: DOMAIN
71 <222> LOCATION: (184)..(198)
72 <223> OTHER INFORMATION: CDR 2 H
74 <220> FEATURE:
75 <221> NAME/KEY: DOMAIN
76 <222> LOCATION: (232)..(236)
77 <223> OTHER INFORMATION: CDR 3 VH
79 <400> SEQUENCE: 1
80 Met Gly Pro Asp Ile Val Met Thr Gln Ser Pro Ser Ser Leu Ser Ala
81   1           5           10           15
83 Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ser Ser Thr Gly Ala
84           20           25           30
86 Val Thr Thr Ser Asn Tyr Ala Ser Trp Val Gln Lys Lys Pro Gly Lys
87           35           40           45
89 Arg Phe Lys Gly Leu Ile Gly Gly Thr Asn Asn Arg Ala Pro Gly Val
90           50           55           60
92 Pro Ser Arg Phe Ser Gly Ser Leu Ile Gly Asp Lys Ala Thr Leu Thr
93   65           70           75           80
95 Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Phe Cys Ala Leu
96           85           90           95
98 Trp Tyr Ser Asn His Trp Val Phe Gly Gln Gly Thr Lys Val Glu Leu
99           100          105          110
101 Lys Arg Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
102           115          120          125
104 Ser Ser Gly Gly Gly Ser Glu Val Lys Leu Leu Glu Ser Gly Gly Gly
105           130          135          140
107 Leu Val Gln Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Val Ser Gly
108 145           150          155          160
111 Phe Ser Leu Thr Asp Tyr Gly Val Asn Trp Val Arg Gln Ala Pro Gly
112           165          170          175
114 Arg Gly Leu Glu Trp Ile Gly Val Ile Trp Gly Asp Gly Ile Thr Asp
115           180          185          190
117 Tyr Asn Ser Ala Leu Lys Asp Arg Phe Ile Ile Ser Lys Asp Asp Cys
118           195          200          205
120 Glu Asn Ser Val Tyr Leu Gln Met Ser Lys Val Arg Ser Asp Asp Thr
121           210          215          220
123 Ala Leu Tyr Tyr Cys Val Thr Gly Leu Phe Asp Tyr Trp Gly Gln Gly
124 225           230          235          240
126 Thr Leu Val Thr Val Ser Ser His His His His His
127           245          250
130 <210> SEQ ID NO: 2
131 <211> LENGTH: 5
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
137 peptide

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139 <400> SEQUENCE: 2
140 Gly Leu Phe Asp Tyr
141   1               5
144 <210> SEQ ID NO: 3
145 <211> LENGTH: 6
146 <212> TYPE: PRT
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
151     peptide
153 <400> SEQUENCE: 3
154 Ala Gly Leu Phe Asp Tyr
155   1               5
158 <210> SEQ ID NO: 4
159 <211> LENGTH: 20
160 <212> TYPE: PRT
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
165     peptide Glycine Serine Linker
167 <400> SEQUENCE: 4
168 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser
169   1               5               10               15
171 Gly Gly Gly Ser
172           20
175 <210> SEQ ID NO: 5
176 <211> LENGTH: 33
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR upstream
182     Primer
184 <400> SEQUENCE: 5
185 ccatgggccc aagctttgca aagatggata aag                               33
188 <210> SEQ ID NO: 6
189 <211> LENGTH: 85
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
195     peptide linker
197 <400> SEQUENCE: 6
198 tttggggcccg aagaaccgcc accaccagaa ccgcctccac cagagccacc accaccaggc 60
199 ctgatctctt tttttgggtt tggtg                                     85
202 <210> SEQ ID NO: 7
203 <211> LENGTH: 12
204 <212> TYPE: PRT
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:

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208 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
209     peptide linker
211 <400> SEQUENCE: 7
212 Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
213   1                   5                   10
216 <210> SEQ ID NO: 8
217 <211> LENGTH: 34
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR upstream
223     primer
225 <400> SEQUENCE: 8
226 catgccatgg ttctcaaca gcagcaaattg caac
229 <210> SEQ ID NO: 9
230 <211> LENGTH: 39
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR
236     primer
238 <400> SEQUENCE: 9
239 catgccatgg cgctagccaa agcttggatt ttctcagg
242 <210> SEQ ID NO: 10
243 <211> LENGTH: 29
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
249     oligonucleotide
251 <400> SEQUENCE: 10
252 cctatgactc atccagttat gactcatcg
255 <210> SEQ ID NO: 11
256 <211> LENGTH: 37
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
262     oligonucleotide
264 <400> SEQUENCE: 11
265 tcgacgatga gtcataactg gatgagtcatt aggcattg

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VERIFICATION SUMMARY

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L:13 M:270 C: Current Application Number differs, Replaced Application Number

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date